

Title (en)

METALLIC PIGMENTS AND METHOD OF COATING A METALLIC SUBSTRATE

Title (de)

METALLISCHE PIGMENTE SOWIE VERFAHREN ZUM BESCHICHTEN EINES METALLISCHEN SUBSTRATES

Title (fr)

PIGMENTS MÉTALLIQUES ET PROCÉDÉ DE REVÊTEMENT D'UN SUBSTRAT MÉTALLIQUE

Publication

EP 3027691 A4 20170419 (EN)

Application

EP 14831697 A 20140729

Priority

- AU 2013902797 A 20130729
- AU 2014050155 W 20140729

Abstract (en)

[origin: WO2015013762A1] The present invention deals with metallic pigment comprising a metallic substrate coated with a hybrid inorganic/organic layer, wherein the hybrid inorganic/organic layer comprises a network of an inorganic component and at least one organofunctional silane component having organic functionalities which have not been polymerised. Additionally, the present invention deals with a method of coating a metallic substrate comprising: combining the metallic substrate with a surfactant and an organofunctional silane and an inorganic component precursor to form a hydrophobic phase; combining the hydrophobic phase with a hydrophilic liquid to form an emulsion comprising said hydrophobic phase containing the metallic substrate, the organofunctional silane and the inorganic component precursor dispersed in a continuous hydrophilic phase; adding a catalyst to the emulsion; and forming a hybrid organic/inorganic layer from the organofunctional silane and said inorganic component precursor on the metallic substrate to produce a coated metallic substrate.

IPC 8 full level

C09C 3/00 (2006.01); **C09C 1/62** (2006.01); **C09C 1/64** (2006.01); **C09C 1/66** (2006.01)

CPC (source: EP US)

C09C 1/62 (2013.01 - EP US); **C09C 1/627** (2013.01 - EP US); **C09C 1/648** (2013.01 - EP US); **C09C 3/006** (2013.01 - EP US); **C01P 2004/04** (2013.01 - EP US); **C01P 2004/20** (2013.01 - EP US); **C01P 2006/62** (2013.01 - EP US); **C09C 3/063** (2013.01 - EP US); **C09C 3/12** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2015013762 A1 20150205; EP 3027691 A1 20160608; EP 3027691 A4 20170419; JP 2016531174 A 20161006; US 2016168388 A1 20160616

DOCDB simple family (application)

AU 2014050155 W 20140729; EP 14831697 A 20140729; JP 2016530273 A 20140729; US 201414908682 A 20140729